DIALOG search

13/6/74 (Item 22 from file: 55)
0013685808 BIOSIS NO.: 200200279319
The effects of imidazole C-nucleoside derivatives on human histamine **H3 and** H4 receptors **expressed in SK-N-MC cells**
2002

13/6/75 (Item 23 from file: 55)
0013673339 BIOSIS NO.: 200200266850
Identification and characterization of histamine H4 receptor
2002

13/6/76 (Item 24 from file: 55)
0013644094 BIOSIS NO.: 200200237605
Studies on functional roles of the histaminergic neuron system by using pharmacological agents, knockout mice and positron emission tomography
2001

13/6/77 (Item 25 from file: 55)
0013409157 BIOSIS NO.: 200200002668
Cloning and expression of isoforms of the human H4 histamine receptor
2001

13/6/78 (Item 26 from file: 55)
0013349825 BIOSIS NO.: 200100521664
Complex pharmacological effects of GT-2331
2001

13/6/79 (Item 27 from file: 55)
0013315879 BIOSIS NO.: 200100487718
Characterization of mice lacking the histamine **H3** receptor
2001

13/6/80 (Item 28 from file: 55)
0013084897 BIOSIS NO.: 200100256736
Cloning of a novel histamine receptor
2001

13/6/81 (Item 29 from file: 55)
0012969786 BIOSIS NO.: 200100141625
Cloning pharmacological characterization of a fourth histamine receptor **(H4) expressed in bone marrow**
2001

13/6/82 (Item 30 from file: 55)
0012969785 BIOSIS NO.: 200100141624
Genomics meets histamine receptors : **New subtypes, new** receptors
2001
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14oct04 08:05:19 User276677 Session D3.2

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        $0.20    0.051 DialUnits File431
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        $5.42    1.693 DialUnits File154
           $0.00  52 Type(s) in Format  6
        $0.00  52 Types
     $5.42  Estimated cost File154
        $5.95    1.063 DialUnits File55
           $0.00  30 Type(s) in Format  6
        $0.00  30 Types
     $5.95  Estimated cost File55
        OneSearch, 3 files,  2.807 DialUnits FileOS
     $1.74  TELNET
    $13.31  Estimated cost this search
    $13.34  Estimated total session cost   3.005 DialUnits


Logoff: level 04.16.00 D  08:05:19


You are now logged offWelcome to DIALOG

Dialog level 04.16.00D

Reconnected in file OS 14oct04 08:09:20
* * *

SYSTEM:OS  - DIALOG OneSearch
  File 431:MediConf: Medical Con. & Events 1998-2004/Sep B2
        (c) 2004 Dr. R. Steck
  File 154:MEDLINE(R) 1990-2004/Oct W2
        (c) format only 2004 The Dialog Corp.
*File 154: Medline has been reloaded. Accession numbers
have changed. Please see HELP NEWS 154 for details.
  File  55:Biosis Previews(R) 1993-2004/Oct W2
        (c) 2004 BIOSIS

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?
Terminal set to DLINK
? ds

Set     Items   Description
S1        208   'HISTAMINE RECEPTOR'
S2       5982   "H4"
S3       3187   H()4
S4          0   HISTAMIN$
S5      57774   HISTAMIN?
S6    1102804   RECEPTO?
S7      21121   S5 AND S6
S8      21121   S1 OR S7
S9      18377   S5 (S) S6
S10     18377   S1 OR S9
S11      9081   S2 OR S3
S12       113   S10 AND S11
S13        82   RD (unique items)
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? t s13/3,k/74-81

13/3,K/74 (Item 22 from file: 55)
DIALOG(R)File 55:Biosis Previews(R)

0013685808 BIOSIS NO.: 200200279319
The effects of imidazole C-nucleoside derivatives on human histamine **H3 and** H4 receptors **expressed in SK-N-MC cells**
AUTHOR: Hashimoto T (Reprint); Bakker R; Zuiderveld O; Smit M; Leurs R; Yamamoto Y (Reprint); Harusawa S; Araki L; Kurihara T; Sakamoto Y; Yamatodani A (Reprint)
AUTHOR ADDRESS: Sch. Allied Hlth Sci., Fac. Med., Osaka Univ., Osaka, Japan **Japan
JOURNAL: Japanese Journal of Pharmacology 88 (Supplement 1): p211P 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 75th Annual Meeting of the Japanese Pharmacological Society Kumamoto, Japan March 13-15, 2002; 20020313
SPONSOR: Japanese Pharmacological Society
ISSN: 0021-5198
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

The effects of imidazole C-nucleoside derivatives on human histamine **H3 and** H4 receptors **expressed in SK-N-MC cells**
DESCRIPTORS:
ORGANISMS: PARTS ETC: **histamine** H-3 **receptors** --...

... **histamine H - 4 receptors** --

13/3,K/75 (Item 23 from file: 55)
DIALOG(R)File 55:Biosis Previews(R)

0013673339 BIOSIS NO.: 200200266850
Identification and characterization of histamine H4 receptor
AUTHOR: Matsumoto Shunichiro (Reprint)
AUTHOR ADDRESS: Institute for Drug Discovery Research, Yamanouchi Pharmaceutical Co., Ltd., 21 Miyukigaoka, Tsukuba, Ibaraki, 305-8585, Japan**Japan
JOURNAL: Japanese Journal of Pharmacology 88 (Supplement 1): p41P 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 75th Annual Meeting of the Japanese Pharmacological Society Kumamoto, Japan March 13-15, 2002; 20020313
SPONSOR: Japanese Pharmacological Society
ISSN: 0021-5198
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

Identification and characterization of histamine H4 receptor
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ... **histamine H4 receptor** --

13/3,K/76 (Item 24 from file: 55)
DIALOG(R)File 55:Biosis Previews(R)

0013644094 BIOSIS NO.: 200200237605
Studies on functional roles of the histaminergic neuron system by using pharmacological agents, knockout mice and positron emission tomography
AUTHOR: Watanabe Takehiko; Yanai Kazuhiko (Reprint)
AUTHOR ADDRESS: Department of Pharmacology, Tohoku University Graduate School of Medicine, 2-1 Seiryomachi, Aoba-ku, Sendai, 980-8575, Japan** Japan
JOURNAL: Tohoku Journal of Experimental Medicine 195 (4): p197-217 December, 2001 2001
MEDIUM: print
ISSN: 0040-8727
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ... **histamine** 1 **receptor** {H1 **receptor** }; ...

... **histamine** 2 **receptor** {H2 **receptor** }; ...
... **histamine** 3 **receptor** {H3 **receptor** }; ...

...histamine 4 { **H4** }; ...

... **histamine** 4 **receptor** { **H4** **receptor** };

13/3,K/77 (Item 25 from file: 55)
DIALOG(R)File 55:Biosis Previews(R)

0013409157 BIOSIS NO.: 200200002668
Cloning and expression of isoforms of the human H4 histamine receptor
AUTHOR: Gallagher M J (Reprint); Yates S L (Reprint); Tedford C E (Reprint)
AUTHOR ADDRESS: Discovery Research, Gliatech Inc., Cleveland, OH, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (2): p2122 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

Cloning and expression of isoforms of the human H4 histamine receptor

ABSTRACT: The **H4** **histamine** **receptor** is a G-protein-coupled **receptor** (GPCR) that has recently been discovered. Unlike the H3 **receptor** , which is expressed primarily in the CNS, the expression of **H4** appears to be leukocyte specific. The **H4** **receptor** is believed to respond to **histamine** levels affecting neutrophils and eosinophils in lymphoid

tissues. **H4 receptors** share only a 43% nucleotide homology with their closest known relative the H3 **receptor** . Several groups have recently reported the cloning of this **receptor** (Oda et al., J. Biol. Chem. 47:36781-36786, (2000); Zhu et al., Mol. Pharm...

...al., J. Pharm. Exp. Ther. 296:1058-1066 (2001). They have all reported the same **receptor** sequences and have found similar affinities of their expressed **receptors** for **histamine** (apprx17 nM). We have cloned two potential isoforms of the human **H4 receptor** which contain deletions in the N-terminus of the **receptor** protein. The isoform H4b contains a 54 residue deletion in the **receptor** between transmembrane domains 2 and 3, while the isoform H4c contains a 33 residue deletion...

...4. The effect that these deletions have on the activity and binding affinity of the **H4 receptor** is presently being investigated. These **H4 receptors** may be useful tools for the discovery of novel therapeutics in the treatment of allergy.
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: H-4b **histamine receptor** --...

...H-4c **histamine receptor** --
METHODS & EQUIPMENT: **H - 4 histamine receptor** cloning...

13/3,K/78 (Item 26 from file: 55)
DIALOG(R)File 55:Biosis Previews(R)

0013349825 BIOSIS NO.: 200100521664
Complex pharmacological effects of GT-2331
AUTHOR: Esbenshade T (Reprint); Krueger K (Reprint); Denny L I (Reprint); Miller T (Reprint); Kang C H (Reprint); Witte D (Reprint); Yao B (Reprint); Black L (Reprint); Bennani Y (Reprint); Fox G B (Reprint); Pan J B (Reprint); Decker M W (Reprint); Hancock A (Reprint)
AUTHOR ADDRESS: Neurological and Urological Diseases Research, Abbott Laboratories, Abbott Park, IL, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (1): p989 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: dimethylhex-1-ynyl)cyclopropyl)imidazole) is reported to be a potent antagonist at the rat **histamine** H3 **receptor** (H3R). Herein, we confirm its affinity for rat cortical H3R (Ki=0.26 nM), but...
...affinities at human alpha2a (Ki=5.8 nM) and alpha2c (Ki=10.8 nM) adrenergic **receptors** and human **H4 histamine receptors** (Ki=80 nM). In vitro, GT competitively antagonized, albeit weakly (pA2=7.8), H3R-agonist...

...contractions dose dependently at higher concentrations. GT only partially reversed H3R-agonist mediated inhibition of **histamine** release from rat cortical synaptosomes (Kb=7.5 nM). Further, GT behaved as a partial...

...human H3R than the rat H3R while showing a high affinity for additional biogenic amine **receptors** . GT also possesses partial agonist activity that may contribute to the complex pharmacological profile seen...
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ... **histamine** H3 **receptor** ; ...

... **histamine** **H4** **receptor**

13/3,K/79 **(Item 27 from file: 55)**
DIALOG(R)File 55:Biosis Previews(R)

0013315879 BIOSIS NO.: 200100487718
Characterization of mice lacking the histamine **H3** receptor
AUTHOR: Toyota H (Reprint); Dugovic C; Koehl M; Weber C; Ngo K (Reprint); Wu Y (Reprint); Lee D H (Reprint); Turek F W; Fung-Leung W P (Reprint); Lovenberg T W (Reprint)
AUTHOR ADDRESS: Neuroscience, R. W. Johnson Pharmaceutical Research Institute, San Diego, CA, USA**USA
JOURNAL: Society for Neuroscience Abstracts 27 (1): p492 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001; 20011110
ISSN: 0190-5295
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

Characterization of mice lacking the histamine **H3** receptor

ABSTRACT: **Histamine** , is a multifunctional substance that has a neurotransmitter role in the central nervous system. **Histaminergic** neurons, which originate in the tuberomammilary nuclei, project throughout the CNS, and are implicated in...

...water intake, temperature regulation, memory, and other homeostatic mechanisms. Four subtypes (H1, H2, H3, and **H4**) of **histamine** **receptor** are currently recognized. H3 **receptors** are auto- and heteroreceptors controlling the release of **histamine** and other neurotransmitters. The recent cloning of the H3 **receptor** allowed us to create a mouse strain devoid of H3 **receptors** . The **receptor** -deficient mice develop normally, are fertile, and have no obvious motor abnormalities. H3-deficient mice ...

...for any of the known H3 radioligands and appear to have normal levels of H1 **receptors** . The H3-deficient mice exhibit a suppressed REM sleep pattern and are insensitive to the wake-promoting effects of the H3 **receptor** antagonist thioperamide. H3 **receptor** -deficient mice show a normal memory response in the passive avoidance test, but exhibit altered sensitivity to several CNS acting drugs. The H3 **receptor** -deficient mouse should be a valuable model for determining the role of this **receptor** in the CNS of mammals.
DESCRIPTORS:
...ORGANISMS: animal model, **histamine** H-3 **receptor** deficient
CHEMICALS & BIOCHEMICALS: ... **histamine** H-1 **receptor** --...

... **histamine** H-3 **receptor** --

13/3,K/80 (Item 28 from file: 55)
DIALOG(R)File 55:Biosis Previews(R)

0013084897 BIOSIS NO.: 200100256736
Cloning of a novel histamine receptor
AUTHOR: Jones Philip G (Reprint); Uveges Albert J (Reprint); Wu Shujian (Reprint); Betty Maria (Reprint); He Lan (Reprint); Pausch Mark H (Reprint)
AUTHOR ADDRESS: Wyeth Neurosciences, CN8000, Princeton, NJ, 08543, USA**USA
JOURNAL: FASEB Journal 15 (5): pA931 March 8, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the Federation of American Societies for Experimental Biology on Experimental Biology 2001 Orlando, Florida, USA March 31-April 04, 2001; 20010331
ISSN: 0892-6638
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

Cloning of a novel histamine receptor

ABSTRACT: The effects of **histamine** are mediated through 3 G protein-coupled **receptors** H1-3. Pharmacological evidence suggests that there may be subtypes of H3. Using bioinformatics we have identified the sequence of a novel G protein-coupled **receptor** encoded on chromosome 18. This clone is 390 amino acids long and BLAST analysis indicates that it's closest relative is the human **histamine** H3 **receptor** (43% similarity). The sequence contains the conserved GPCR motifs and of note are the conserved DY residues in transmembrane 3 indicative of muscarinic and **histaminergic receptors** . Taqman analysis indicates that it is highly expressed in peripheral blood leucocytes. To confirm its identity as a **histamine receptor** we have expressed the **H4** in both yeast and mammalian cells. The coupling of GPCRs to the yeast pheromone pathway provides a universal signaling system for ligand identification, coupling **receptor** activation to cell growth or reporter gene activity. Using this system we confirm that this **receptor** is a **histamine receptor** being stimulated by **histamine** and R-alpha-methyl **histamine** . The H3 antagonist thioperamide is also a **H4** antagonist and interestingly the H3 antagonist clobenpropit acts as a partial agonist. Expression of the **receptor** in mammalian cells confirms these results and indicates that the **H4** is coupled to the inhibition of adenylyl cyclase.
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ... **histamine receptor**

13/3,K/81 (Item 29 from file: 55)
DIALOG(R)File 55:Biosis Previews(R)

0012969786 BIOSIS NO.: 200100141625
Cloning pharmacological characterization of a fourth histamine receptor **(H4) expressed in bone marrow**
AUTHOR: Liu Changlu; Ma Xiao-Jun; Jiang Xiaoxia; Wilson Sandy J; Hofstra

Claudia L; Blevitt Jonathan; Pyati Jayashree; Li Xiaobing; Chai Wenying; Carruthers Nicholas; Lovenberg Timothy W (Reprint)
AUTHOR ADDRESS: R. W. Johnson Pharmaceutical Research Institute, 3210 Merryfield Row, San Diego, CA, USA**USA
JOURNAL: Molecular Pharmacology 59 (3): p420-426 March, 2001 2001
MEDIUM: print
ISSN: 0026-895X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Cloning pharmacological characterization of a fourth histamine receptor **(H4) expressed in bone marrow**

ABSTRACT: **Histamine** is a multifunctional hormone that regulates smooth muscle contraction in the airways, acid secretion in the gut, and neurotransmitter release in the central nervous system through three well characterized **receptor** subtypes, H1, H2, H3, respectively. As part of a directed effort to discover novel G-protein-coupled **receptors** through homology searching of genomic databases, we identified a partial clone (GPCR105) that had significant homology to the recently identified **histamine** H3 **receptor** cDNA. Expression of the full-length human GPCR105 in cells confers the ability to bind (3H) **histamine** with high affinity (KD = 5 nM). GPCR105 is pharmacologically similar to the **histamine** H3 **receptor** in that it binds many of the known H3 agonists and antagonists, albeit with a...

...potency. GPCR105 does not bind (i.e., KD > 10 muM) all tested H1 and H2 **receptor** antagonists such as diphenhydramine, loratadine, ranitidine, and cimetidine, but has modest affinity for the H2 **receptor** agonist, dimaprit (377 nM). Whereas the H3 **receptor** is expressed almost exclusively in nervous tissues, GPRC105 is expressed primarily in bone marrow and eosinophils. Together, these data demonstrate that GPCR105 is a novel **histamine receptor** structurally and pharmacologically related to the H3 **receptor** . However, its unique expression profile and physiological role suggest that GPCR105 is a fourth **histamine receptor** subtype (**H4**) and may be a therapeutic target for the regulation of immune function, particularly with respect...
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: H-1 **histamine receptor** ; ...

...H-2 **histamine receptor** ; ...

... **H - 4 histamine receptor** --...

... **histamine** H2- **receptor** antagonist-drug...

... **histamine** H-3 **receptor** cDNA { **histamine** H-3 **receptor** complementary DNA
? LOGOFF HOLD